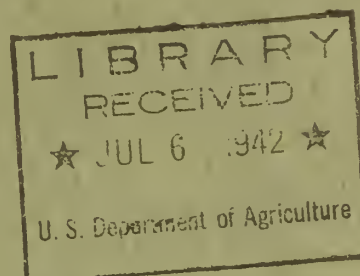


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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL CHEMISTRY AND ENGINEERING



1941-42 ANNUAL
NAVAL STORES REPORT

on

Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

of the

UNITED STATES

By Crop Years

Issued May 11, 1942

Compiled by

C. F. Speh

and

M. C. Lawrence

Naval Stores Research Division

FOREWORD

This is the eighth of the series of annual reports by the U. S. Department of Agriculture giving production, consumption, and stocks of naval stores. The period covered by the annual reports is that of the naval stores season -- April 1-March 31. Semi-annual reports, covering the six-month period April 1-September 30, are also issued. These reports are issued under Federal Act 278, providing for the publication of statistics relating to spirits of turpentine and rosin.

Carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood rosin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on "liquid rosin" are in a table separate from gum and wood rosins. Pending the selection of a proper term, we continue to refer to the mixture of resin and fatty acids recovered from the acidulated soap curds obtained in the production of sulphate pulp as "liquid rosin." The term "sulphate wood rosin" refers to the resin acids constituting approximately 42 percent of "liquid rosin."

The data on production, consumption and stocks are expressed in commercial units: For turpentine -- barrels of 50 gage gallons; and for rosin -- barrels of approximately 500 pounds gross weight. Carryover (stocks) figures do not include gum and wood turpentines producible from crude gum and crude steam distilled or crude destructively distilled wood turpentine on hand.

Statistics on exports and imports of turpentine and rosin for 1941-42 are not included in this issue.

These reports are designed to be of use to the industry -- producer, factor distributor and consumer. Every effort is made to obtain complete and accurate information but the completeness, accuracy and promptness of issue depend upon the cooperation of those reporting. In accepting the statistics given in this report, as well as those in the previous reports, it should be borne in mind that the Bureau of Agricultural Chemistry and Engineering merely assembles the figures from the individual reports received and is not responsible for their accuracy.

The date of issue reflects the promptness of receipt of reports. It is hoped that these reports can be issued within 30 days after the end of the 12-month period to which they apply.

The Bureau of Agricultural Chemistry and Engineering extends its thanks to those producers, factors, distributors and consumers who have so kindly cooperated in furnishing the requested information. The Bureau is particularly grateful for the continued cooperation and constructive comment of Mr. J. E. Lookwood.

SUMMARY OF TURPENTINE

(SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 50 gals.)
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

	<u>1941-42</u>			<u>1940-41</u>		
	<u>12 mos. (Apr.-Mar.)</u>			<u>12 mos. (Apr.-Mar.)</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>Table 1a - SUPPLY AND DISTRIBUTION</u>						
U.S. Carryover Apr. 1 ¹	209,910	146,735	63,175	220,267	167,943	52,324
Production ²	548,796	285,050	263,746	566,341	343,938	222,403
Imports ³	<u>---</u>	<u>---</u>	<u>---</u>	<u>16,888</u>	<u>16,888</u>	<u>---</u>
Available Supply	758,706	431,785	326,921	803,496	528,769	274,727
Less Carryover Mar. 31 ¹	<u>156,369</u>	<u>86,448</u>	<u>69,921</u>	<u>209,910</u>	<u>146,735</u>	<u>63,175</u>
Appar. Total Consumption	602,337	345,337	257,000	593,586	382,034	211,552
Less Exports ⁴	<u>- not available -</u>	<u>-</u>	<u>-</u>	<u>130,855</u>	<u>103,127</u>	<u>27,728</u>
Appar. U. S. Consumption	- not available -	-	-	462,731	278,907	183,824

TABLE 2a - CARRYOVER (Stocks)

U.S. Carryover, Apr. 1	209,910	146,735	63,175	220,267	167,943	52,324
U.S. Carryover, Mar. 31	<u>156,369</u>	<u>86,448</u>	<u>69,921</u>	<u>209,910</u>	<u>146,735</u>	<u>63,175</u>
Increase	---	---	6,746	---	---	10,851
Decrease	53,541	60,287	---	10,357	21,208	---

¹ Tables 3a and 4a

² Table 5a

³ Table 7.

⁴ Table 9-11.

SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 500 lbs. gross)
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1941-42</u>			<u>1940-41</u>		
<u>12 mos. (Apr.-Mar.)</u>			<u>12 mos. (Apr.-Mar.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1b - SUPPLY AND DISTRIBUTION

U.S. Carryover Apr. 1 ¹	1,874,160	1,653,235	220,925	1,569,396	1,409,649	159,747
Production ²	2,135,593 ⁴	989,638 ⁴	1,145,955	2,146,865 ⁴	1,173,639 ⁴	973,226
Imports ³	not available - - -			0	0	- -

Available Supply	4,009,753	2,642,873	1,366,880	3,716,261	2,583,288	1,132,973
Less Carryover Mar. 31	<u>1,434,677</u>	<u>1,230,817</u>	<u>203,860</u>	<u>1,874,160</u>	<u>1,653,235</u>	<u>220,925</u>

Appar. Tot. Consumption	2,575,076	1,412,056	1,163,020	1,842,101	930,053	912,048
Less Exports ⁵	- not available -			535,128	278,671	256,457

Appar. U.S. Consumption	- not available -			1,306,973	651,382	655,591
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TABLE 2b - CARRYOVER (STOCKS)

U.S. Carryover Apr. 1	1,874,160	1,653,235	220,925	1,569,396	1,409,649	159,747
U.S. Carryover Mar. 31	<u>1,434,677</u>	<u>1,230,817</u>	<u>203,860</u>	<u>1,874,160</u>	<u>1,653,235</u>	<u>220,925</u>
Increase	- - -	- - -	- - -	304,764	243,586	61,178
Decrease	439,483	422,418	17,065	- - -	- - -	- - -

¹ Tables 3b and 4b.

² Table 5b.

³ Table 8.

⁴ Includes reclaimed gum rosin.

⁵ Tables 9-11.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. 50 gals.)

(At close of naval stores season, on March 31)

1942 1941
Mar. 31 Mar. 31

Total Gum Wood Total Gum Wood

TABLE 3a - DETAILS OF TURPENTINE CARRYOVER

Production Points

Gum Still ¹	13,894	13,894	---	16,127	16,127	---
Wood Plants ¹						
Steam Dist. ²	31,521	---	31,521	34,132	---	34,132
Sulphate	6,167	---	6,167	4,688	---	4,688
Dest. Dist.	399	---	399	1,001	---	1,001
Total	51,981	13,894	38,087	55,948	16,127	39,821

So. Concent. Points

Ports ³	20,251	20,251	---	37,588	37,588	---
Interior Yards	18,944	18,944	---	60,579	60,579	---
Total	39,195	39,195	---	98,167	98,167	---

Distrib. Points

Eastern	13,780	6,604	7,176	12,546	5,467	7,079
Central	26,665	14,887	11,773	19,811	11,630	8,181
Western	6,724	3,648	3,076	8,790	7,151	1,639
Total ⁴	47,164	25,139	22,025	41,147	24,248	16,899

<u>Industrial Plants⁵</u>	18,029	8,220	9,809	14,648	8,193	6,455
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TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER

Production Points	51,981	13,894	38,087	55,948	16,127	39,821
So. Concent. Points	39,195	39,195	---	98,167	98,167	---
Distrib. Points	47,164	25,139	22,025	41,147	24,248	16,899
Industrial Plants	18,029	8,220	9,809	14,648	8,193	6,455
Total in U.S.	156,369	86,448	69,921	209,910	146,735	63,175

At and afloat to London⁶ ---

Total U. S. and London ---

¹ Compiled from reports by producers and factors.

² Does not include by-products resulting from making paler grades from FF wood rosin.

³ Official Board of Trade and Chamber of Commerce reports.

⁴ Compiled from reports of individual distributors.

⁵ Compiled from reports of individual consumers.

⁶ Not available.

DETAILS AND SUMMARY OF ROSIN CARRYOVER (Bbls. 500 lbs. gross)
(At close of naval stores season, on March 31)

	<u>1942</u> Mar. 31			<u>1941</u> Mar. 31		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3b - DETAILS OF ROSIN CARRYOVER</u>						
<u>Production Points</u>						
Gum stills ¹	68,787	68,787	---	76,154	76,154	---
Wood plants ¹						
Steam dist. ²	80,309	---	80,309	101,485	---	101,485
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	<u>149,096</u>	<u>68,787</u>	<u>80,309</u>	<u>177,639</u>	<u>76,154</u>	<u>101,485</u>
<u>So. Concent. Points</u>						
Ports ³	379,166	379,166	---	823,651	823,651	---
Interior yards	506,408	506,408	---	570,463	570,463	---
Total	<u>885,574</u>	<u>885,574</u>	<u>---</u>	<u>1,394,114</u>	<u>1,394,114</u>	<u>---</u>
<u>Distrib. Points</u>						
Eastern	11,981	6,061	5,920	38,042	9,308	28,734
Central	9,088	4,641	4,447	12,584	4,409	8,175
Western	1,713	751	962	2,174	1,411	763
Total ⁴	<u>22,782</u>	<u>11,453</u>	<u>11,329</u>	<u>52,800</u>	<u>15,128</u>	<u>37,672</u>
<u>Industrial Plants⁵</u>	377,225	265,003	112,222	249,607	167,839	81,768

TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production points	149,096	68,787	80,309	177,639	76,154	101,485
Sou. concentr. points	885,574	885,574	---	1,394,114	1,394,114	---
Distrib. points	22,782	11,453	11,329	52,800	15,128	37,672
Industrial plants	377,225	265,003	112,222	249,607	167,839	81,768
Total in U.S.	<u>1,434,677</u>	<u>1,230,817</u>	<u>203,860</u>	<u>1,874,160</u>	<u>1,653,235</u>	<u>220,925</u>

¹ Compiled from reports by producers and factors.

² Does not include by-products resulting from making paler grades from FF wood rosin.

³ Official Board of Trade and Chamber of Commerce Reports.

⁴ Compiled from reports of individual distributors

⁵ Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

1941-42

1940-41

12 mos. (Apr. - Mar.)

12 mos. (Apr. - Mar.)

Total

Gum

Wood

Total

Gum

Wood

TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. 50 gals.)

Gum	285,050	285,050	---	343,938	343,938	---
Wood, Steam Dist.	190,048	---	190,048	161,161	---	161,161
" Sulphate	64,986	---	64,986	54,081	---	54,081
" Dest. Dist.	8,712	---	8,712	7,161	---	7,161
Total	548,796	285,050	263,746	566,341	343,938	222,403

TABLE 5b - PRODUCTION OF ROSIN (Bbls. 500 lbs. gross)

Gum	964,932	964,932	---	1,148,413	1,148,413	---
Reclaimed (Gum)	24,706	24,706	---	25,226	25,226	---
Wood, Steam Dist.	1,145,955	---	1,145,955	973,226	---	973,226
" Sulphate (Table 5c)	---	---	---	---	---	---
" Dest. Dist.	---	---	---	---	---	---
Total	2,135,593	989,638	1,145,955	2,146,865	1,173,639	973,226

TABLE 5c - PRODUCTION OF "SULPHATE WOOD ROSIN"

1941-42

1940-41

26,887 tons liquid rosin
equivalent to 11,292
tons abietic acid.

18,358 tons liquid rosin
equivalent to 7,710 tons
abietic acid.

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES

	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	<u>Percentage</u>
North Carolina	1	1	1	1
South Carolina	3,601	1.26	6,040	1.76
Georgia	189,532	66.49	218,202	63.65
Florida	67,322	23.62	86,560	25.16
Alabama	17,697	6.21	23,444	6.81
Mississippi	5,309	1.86	7,870	2.29
Louisiana	1,589	.56	1,822	.53
Texas	2	2	2	2
Total	285,050	100.00	382,781	100.00

1 Combined with South Carolina.

2 Combined with Louisiana.

UNITED STATES IMPORTS OF NAVAL STORES

(By naval stores seasons beginning April 1 and ending the following March 31)

TABLE 7 - IMPORTS, SPIRITS OF TURPENTINE

(Bbls. - 50 gals.)

<u>Shipped from:</u>	<u>1941-42¹</u>	<u>1940-41</u>
Austria	- -	0
Canada	- -	0
France	- -	0
Germany	- -	0
Greece	- -	0
Italy	- -	0
Mexico	- -	16,625
Netherlands	- -	31
Norway	- -	0
Portugal	- -	0
Spain	- -	0
Soviet Russia	- -	0
Sweden	- -	0
United Kingdom	- -	0
Other Countries	- -	32
Totals	- -	16,688

TABLE 8 - IMPORTS, ROSIN

(Bbls. - 500 lbs. gross)

Austria	- -	0
Canada	- -	0
France	- -	0
Germany	- -	0
Greece	- -	0
Italy	- -	0
Mexico	- -	0
Netherlands	- -	0
Norway	- -	0
Portugal	- -	0
Soviet Russia	- -	0
Spain	- -	0
Sweden	- -	0
United Kingdom	- -	0
Other Countries	- -	0
Totals	- -	0

¹ Information for 1941-42 not available for publication

(Source of information - Bureau of the Census, Department of Commerce)

NOTE: As Government records of imports of turpentine and rosin do not require any declaration as to whether they are gum or wood products, the available statistics show only total turpentine and total rosin imports. However, it appears probable that all imports reported above were in fact gum spirits of turpentine and gum rosin.

UNITED STATES EXPORTS OF TURPENTINE

(By naval stores seasons beginning April 1 and ending the following March 31)

TABLE 9a - TOTAL EXPORTS OF TURPENTINE
(Bbls. - 50 gal.)

<u>Destination</u>	<u>1941-42¹</u>	<u>1940-41</u>
United Kingdom	- -	74,222
Germany and No. Europe	- -	403
Italy and So. Europe	- -	3,852
Argentina	- -	2,954
Brazil	- -	3,441
Other South America	- -	3,508
Japan	- -	0
Australia and New Zealand	- -	7,394
Netherlands East Indies	- -	16
Canada	- -	24,758
All Other Exports	- -	<u>10,307</u>
Totals	- -	130,855

TABLE 10a - EXPORTS, GUM SPIRITS OF TURPENTINE

United Kingdom	- -	60,797
Germany and No. Europe	- -	402
Italy and So. Europe	- -	573
Argentina	- -	2,163
Brazil	- -	2,248
Other South America	- -	2,681
Japan	- -	0
Australia and New Zealand	- -	5,830
Netherlands East Indies	- -	15
Canada	- -	20,204
All Other Exports	- -	<u>8,214</u>
Totals	- -	103,127

TABLE 11a - EXPORTS, WOOD TURPENTINE

United Kingdom	- -	13,425
Germany and No. Europe	- -	1
Italy and So. Europe	- -	3,279
Argentina	- -	791
Brazil	- -	1,193
Other South America	- -	827
Japan	- -	0
Australia and New Zealand	- -	1,564
Netherlands East Indies	- -	1
Canada	- -	4,554
All Other Exports	- -	<u>2,093</u>
Totals	- -	27,728

¹ Information for 1941-42 not available for publication

UNITED STATES EXPORTS OF ROSIN

((By naval stores seasons beginning April 1 and ending the following March 31))

TABLE 9b - TOTAL EXPORTS OF ROSIN¹

(Bbls. - 500 lbs. gross)

<u>Destination</u>	<u>1941-42²</u>	<u>1940-41</u>
United Kingdom	- -	122,223
Germany and No. Europe	- -	12,649
Italy and So. Europe	- -	12,077
Argentina	- -	36,486
Brazil	- -	59,924
Other South America	- -	32,787
Japan	- -	77,102
Australia and New Zealand	- -	36,053
Netherlands East Indies	- -	20,117
Canada	- -	62,703
All Other Exports	- -	<u>63,007</u>
Totals	- -	535,128

TABLE 10b - EXPORTS OF GUM ROSIN

United Kingdom	- -	71,488
Germany and No. Europe	- -	8,994
Italy and So. Europe	- -	9,887
Argentina	- -	20,407
Brazil	- -	10,513
Other South America	- -	13,066
Japan	- -	45,816
Australia and New Zealand	- -	22,479
Netherlands East Indies	- -	8,095
Canada	- -	31,907
All Other Exports	- -	<u>36,019</u>
Totals	- -	278,671

TABLE 11b - EXPORTS OF WOOD ROSIN

United Kingdom	- -	50,735
Germany and No. Europe	- -	3,655
Italy and So. Europe	- -	2,190
Argentina	- -	16,079
Brazil	- -	49,411
Other South America	- -	19,721
Japan	- -	31,286
Australia and New Zealand	- -	13,574
Netherlands East Indies	- -	12,022
Canada	- -	30,796
All Other Exports	- -	<u>26,988</u>
Totals	- -	256,457

¹ Includes products commonly referred to as "B Wood Rosin."

² Information for 1941-42 not available for publication.

TABLE 12 a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. -50 gal)
(By naval stores seasons beginning April 1 and ending the following March 31)

	<u>1941-42</u> (Apr. - Mar.)			<u>1940-41</u> (Apr. - Mar.)		
	<u>Total</u>	<u>Gum¹</u>	<u>Wood¹</u>	<u>Total</u>	<u>Gum¹</u>	<u>Wood¹</u>
Abattoirs	0			0		
Adhesives & plastics	343			365		
Asphaltic products	0			0		
Automobiles & wagons	455			289 ⁴		
Chemicals & pharmaceuticals	55,625			40,413		
Ester gum & synthetic resins	0			0		
Foundries & f'dry supplies	1,055			847		
Furniture	476			495		
Insecticides & disinfectants	354			486		
Linoleum & floor covering	52			78		
Matches	0			0		
Oils & greases	49			84		
Paint, varnish & lacquer	63,849			51,437		
Paper & paper size	0			0		
Printing ink	237			230		
Railroads & shipyards	7,865			6,107		
Rubber	182			230		
Shoe polish & shoe mat'ls	15,470			12,453		
Soap	0			0		
Other industries	<u>317</u>			<u>1,020</u>		
Total industrial reported	146,329	87,580	58,749	114,534	61,791	52,743
Not accounted for ²	- Not available -			348,197	217,116	131,081
Apparent U.S. Consumption ³	---	---	---	462,731	278,907	183,824

¹ Separation of gum and wood turpentine consumption is limited to the total reported.

² Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers.

³ From Table 1a, page 1.

⁴ Part of previously reported consumption transferred to Paint and Varnish.

TABLE 12b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Bbls. - 500 lbs.)
(By naval stores seasons beginning April 1 and ending the following Mar. 31)

	<u>1941-42</u> (Apr. - Mar.)			<u>1940-41</u> (Apr. - Mar.)		
	<u>Total</u>	<u>Gum¹</u>	<u>Wood¹</u>	<u>Total</u>	<u>Gum¹</u>	<u>Wood¹</u>
Akattoirs	1,020			957		
Adhesives & plastics	23,069			16,793		
Asphaltic products	4,584			8,734		
Automobiles & wagons	585			503		
Chemicals & pharmaceuticals	251,251			116,007		
Ester gum & synthetic resins	270,477			127,230		
Foundries & f'dry supplies	26,580			16,740		
Furniture	134			15		
Insecticides & disinfectants	5,669			3,678		
Linoleum & floor covering	51,511			39,272		
Matches	1,792			2,736		
Oils & greases	41,031			30,108		
Paint, varnish & lacquer	217,747			157,798		
Paper & paper size	443,944			327,938		
Printing ink	16,154			15,502		
Railroads & shipyards	6,410			2,723		
Rubber	7,076			6,553		
Shoe polish & shoe mat'ls	12,151			8,563		
Soap	251,368			191,266		
Other industries	<u>6,100</u>	<u>-----</u>	<u>-----</u>	<u>5,615</u>	<u>-----</u>	<u>-----</u>
Total industrial reported	1,638,653	969,380	669,273	1,078,731	579,155	499,576
Not accounted for ²	---	---	---	228,242	72,227	156,015
Apparent U.S. consumption ³	-Not available-			1,306,973	651,382	655,591

¹ Separation of gum and wood rosin consumption is limited to the total reported.

² Principally unreported industrial consumption of rosin and rosin for distribution through retailers who sell in small quantities to ultimate consumers.

³ From Table 1b, page 2.

TABLE 13- WEIGHTED AVERAGE MONTHLY AND SEASON PRICES OF GUM SPIRITS OF TURPENTINE - 1921-22 to 1941-42 ¹
(Based upon Wednesdays and Saturdays closing Savannah Prices) ²

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
						Cents per gallon							
1921-22	53.17	61.83	52.62	53.06	56.55	65.15	69.04	73.44	74.14	83.86	86.07	80.92	62.62
1922-23	79.50	86.07	106.54	113.07	110.61	123.31	145.94	151.25	130.71	145.87	143.29	147.53	119.82
1923-24	145.32	105.48	94.74	88.73	88.83	91.61	83.86	88.50	86.36	94.88	95.37	95.72	85.22
1924-25	91.82	83.49	77.63	77.66	82.99	82.28	81.43	79.24	77.64	86.40	87.95	86.00	81.30
1925-26	87.39	97.39	92.48	90.08	85.29	106.25	105.56	104.79	93.77	99.72	92.69	93.81	96.66
1926-27	89.86	79.67	80.14	82.07	89.31	86.00	84.75	82.69	80.85	76.07	68.00	67.38	82.62
1927-28	60.61	56.41	51.24	50.64	52.31	49.22	46.71	44.26	49.49	55.03	54.94	54.82	51.38
1928-29	52.06	47.87	50.87	49.83	47.58	46.40	48.18	54.22	55.50	56.47	53.16	52.42	50.54
1929-30	48.78	48.90	46.83	47.11	46.68	49.74	50.82	47.85	48.13	49.42	50.12	50.67	48.28
1930-31	48.42	43.51	41.33	37.56	35.32	28.26	25.60	37.03	36.14	28.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	35.21	33.83	34.68	34.84	40.06	41.11
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.88	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	49.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.56	45.19	44.44	39.31	43.56
1936-37	37.43	26.26	35.86	26.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.57	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	28.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.69 ³	28.69	30.80	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42	42.11	43.00	42.17	48.28	67.83	74.84	78.08	75.61	73.44	75.89	75.19	73.08	63.85

¹ The monthly prices were obtained by averaging the Wednesday and Saturday closing prices. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville, and Pensacola and dividing the total of these figures for the season by the total receipts for that season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

² Wednesdays and Fridays closing Savannah prices were used for December, January, and February, for 1936-37 and 1937-38. Fridays prices were used for 1928-29, 1939-40, 1940-41 and 1941-42 when there was no quoted Saturday market.

³ To complete the table, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah prices. Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE, Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 14 - WEIGHTED¹ AVERAGE MONTHLY AND SEASON PRICES OF GUM ROSIN (280-lb. bbls.) - 1921-22 to 1941-42²
(Based upon Wednesdays and Saturdays closing Savannah Prices)³

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
	In dollars per barrel of 280 pounds gross weight												
1921-22	4.00	4.42	3.87	3.73	4.00	4.39	4.34	4.42	4.47	4.21	4.22	4.10	4.20
1922-23	4.35	4.79	5.09	5.23	5.25	5.52	5.75	5.48	5.14	5.07	5.15	5.17	5.20
1923-24	4.96	4.88	4.82	4.73	4.66	4.62	4.57	4.44	4.80	4.88	4.69	4.74	4.67
1924-25	4.81	4.88	4.72	4.71	4.94	5.20	5.99	6.46	6.49	7.19	7.28	7.24	5.61
1925-26	7.52	9.01	8.78	9.15	10.22	13.02	14.33	14.22	13.05	12.09	13.34	12.66	11.11
1926-27	11.66	10.42	12.18	13.09	12.53	13.92	12.32	11.64	11.64	11.98	11.98	10.42	12.20
1927-28	9.77	9.11	8.46	8.32	8.96	8.47	7.64	6.87	7.64	8.61	8.38	8.58	8.35
1928-29	8.31	7.68	8.24	8.53	8.32	8.06	8.20	8.53	8.57	8.57	8.36	8.08	8.29
1929-30	7.50	7.39	7.31	7.49	7.44	7.87	8.16	7.62	7.34	7.48	7.45	7.22	7.54
1930-31	6.85	6.16	5.65	4.78	4.42	4.77	4.37	4.45	4.46	4.30	4.52	4.95	5.01
1931-32	4.96	5.01	5.26	3.95	3.12	3.04	2.95	3.27	3.10	3.10	3.18	3.67	3.89
1932-33	2.98	2.91	2.74	2.54	2.32	3.23	3.07	2.94	2.92	2.98	2.90	2.90	2.83
1933-34	2.95	3.54	3.53	4.09	3.83	3.91	3.86	3.92	3.90	4.24	5.04	5.06	3.88
1934-35	5.09	4.87	4.55	4.30	4.37	4.43	4.52	4.45	4.48	4.73	4.86	4.79	4.55
1935-36	4.67	4.72	4.58	4.44	4.12	4.38	4.81	4.71	4.55	4.60	4.57	4.60	4.54
1936-37	4.38	4.32	4.70	5.42	6.68	6.00	6.23	7.26	9.23	10.20	9.76	8.97	6.42
1937-38	8.07	8.30	8.15	8.00	7.98	8.03	7.35	6.21	5.55	5.92	5.38	4.73	7.35
1938-39	4.87	4.67	4.81	5.15	4.98	4.72	5.28	5.64	5.09	5.12	5.29	5.79	5.02
1939-40	5.22	5.19	5.34	5.49	5.34	5.66	5.73	5.54	5.39	5.54	5.51	5.59	5.44
1940-41	5.20	5.06	4.69	4.00	4.46	4.21	4.44	4.72	4.51	4.76	4.69	4.83	4.55
1941-42 ¹	4.69	4.58	4.62	5.24	5.87	6.03	5.93	6.37	7.10	7.89	8.10	7.82	6.19

Note: Resin Grades included in average prices follow:-X, VW, WG, N, M, K, I, H, G, F, E, D, B.

¹ Due to lack of information to complete this table, only simple averages are given for 1941-42.
² The monthly prices were obtained by multiplying the average of the Wednesday and Saturday prices of each grade by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for the season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

³ Wednesdays and Fridays closing Savannah prices were used for December, January and February for 1936-37 and 1937-38. Fridays prices were used for 1938-39, 1939-40, 1940-41 and 1941-42 when there was no quoted Saturday market.

Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE. Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 15 - TURPENTINE CUPS SOLD FOR SEASONS 1923-24 to 1942-43

A compilation of information furnished by the manufacturers of turpentine cups shows that a total of 8,648,400 cups was sold last winter and this spring for use in gathering the 1942-43 crop of naval stores.

Sales of new cups for the past 20 seasons were reported as follows:

1942-43	8,648,400	1932-33	3,620,000
1941-42	2,744,000	1931-32	1,085,000
1940-41	7,567,659	1930-31	11,178,800
1939-40	1,638,300	1929-30	24,468,760
1938-39	10,525,180	1928-29	12,589,000
1937-38	17,204,900	1927-28	32,310,000
1936-37	17,530,000	1926-27	20,500,000
1935-36	6,219,240	1925-26	10,059,000
1934-35	11,707,839	1924-25	13,249,000
1933-34	11,088,333	1923-24	24,828,500

TABLE 16 - TOTAL ROSIN INSPECTED BY AGRICULTURAL MARKETING ADMINISTRATION
APRIL 22, 1941 to JANUARY 23, 1942

Grade	Number Bbls.	Percent	Grade	Number Bbls.	Percent
	<u>Inspected</u>			<u>Inspected</u>	
X	1,608	.48	H	35,232	10.51
WW	18,628	5.56	G	20,013	5.97
WG	31,787	9.48	F	9,855	2.94
N	46,573	13.89	E	5,713	1.70
M	57,910	17.27	D	2,596	.77
K	57,692	17.21	B	<u>1,303</u>	<u>.39</u>
I	46,397	13.83		335,307	100.00

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For periods prior to 1942, for monthly, quarterly and annual reports on imports and exports of turpentine and rosin, address: Foreign Trade Statistics, Bureau of the Census, Department of Commerce, Washington, D. C. Price ten cents per copy.

For biennial census of the production of turpentine and rosin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, New Orleans, La.

For information regarding the production, distribution, consumption and stocks of turpentine and rosin, address: Bureau of Agricultural Chemistry and Engineering, Department of Agriculture, Washington, D. C.

